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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *03 April 2008*.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,6-14 and 19-37* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1, 6-14 and 19-37* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

        1.☐ Certified copies of the priority documents have been received.

        2.☐ Certified copies of the priority documents have been received in Application No. _____.

        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____ .

DETAILED ACTION

Response to Remarks

1.   This action is in response to remarks filed by Applicant's representative on April

3, 2008.

Response to Arguments

2.   Applicant's amendment and arguments filed April 3, 2008 have been fully

considered but are now considered moot in light of the new grounds of rejected

provided in response to the claim amendments submitted.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art
> are such that the subject matter as a whole would have been obvious at the time the invention was made to
> a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be
> negatived by the manner in which the invention was made.

1.   Claims 1, 9-14, and 25-37 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Mastrianni et al, U.S. Patent US 6,615,276 B1 in view of Evans et al

(hereinafter Evans), U.S. Patent 6,799,286, and in further view of Jost et al (hereinafter

Jost), U.S. Patent 6,778,651 B1 and Sunder et al (hereinafter Sunder), U.S. Patent

Publication, US 2003/0182556.

As per Claims 1 and 14, Mastrianni in view of Evans and in further view of Jost and

Sunder discloses a connection manager (Connection Manager 208) [Fig. 2 & 3]

comprising:

        a dialer (Dialer) [Fig. 7 & 8] configured to interact with a modem to provide a

connection to a service provider;

        a graphical user interface configured to manipulate parameters associated with

the connection, the graphical user interface including a form component, wherein the

form component includes a text entry component (Dialer GUI) [Figs. 3-8] [col 3, L50-52];

and

        an advice window configured to be displayed with the graphical user interface in

response to a user entry of text into the text entry component [Jost: Figs. 40, 45, and

46], wherein the advice window is selectively displayed after the user entry of text fails

to match one of a plurality of known domain name [Sunder: Figs. 6, 8, and 15-18] (e.g.

Login "Domain" extension) [0079] [0088] [Figs. 6 and 19].

        Mastrianni discloses as his invention a software facility for administering and

executing connectivity and information management tasks for a portable device,

includes a module for selectively adding, deleting, and editing a location object, and a

module for selectively initiating a request for a connection, disconnection, and

information synchronization, based on the location object. The location object

represents all location-specific information for the portable device and includes an

information object including information management tasks that must be performed for

a specific location for the portable device to connect to a remote network [Abstract].

But while Mastrianni discloses substantial features of the invention such as the

connection manager of claim 1, he does not expressly disclose the manager wherein

the advice window is displayed if a caps lock feature is active. The added feature is

disclosed by Evans in a related feature.

Evans discloses as his invention methods and arrangements that automatically

display error information during a logon process or other similar process. The method

and arrangements automatically display error information associated with a user input

field through the use of non-modal display mechanisms within a graphical interface unit.

The method and arrangements monitor user input activities and automatically stop

displaying the error information upon subsequent user input. The methods and

arrangements may also stop the display of the error information after a defined period of

time has elapsed. A tip balloon is one type of a non-modal display mechanism that

does require the user to respond and does not interfere graphically and/or operationally

with the ongoing graphical user interface supported process [Abstract].

In particular, Evans teaches that a non-modal, error balloon 118 (window) is

selectively displayed within a graphical user interface (GUI) display 100 on display 47 in

an attempt to assist a user attempting to logon to computer 20. The user is told of the

error from a previous password entry, and provided with a suggestion (advice) about

retyping the password with the Caps Lock key off [col 3, L50-60].

It would thus be obvious to one of ordinary skill in the art at the time of the

invention to combine and/or modify Mastrianni's invention with the added feature of the

manager wherein the advice window is displayed if a caps lock feature is active, as

disclosed by Evans, for the motivation of providing error information, in a non-modal

manner, within a GUI computing environment [col 1, L10-5 & 61-67].

Further, while the combination of Mastrianni and Evans discloses substantial

features of the invention, as above, the additionally recited features of an advice window

configured to be displayed with the graphical user interface in response to a user entry

of text into the text entry component, wherein the advice window is selectively displayed

after the user entry of text fails to match one of a plurality of known domain name is

expressly disclosed by Jost and Sunder in a related endeavor.

Jost discloses as his invention a service management system for a

communications network which accepts requests for communication services from

service order sources. The service management system includes an interfauce to the

service order sources, a databases and an interface to network elements that provide

the communication services. The service managements system also includes an

interface to query the database and network elements to perform debugging and error

correction [Abstract]. In particular, Jost discloses the additionally recited feature of an

advice window configured to be displayed with the graphical user interface in response to a user entry of text into the text entry component (e.g., Message Information: 'Error Code 200001', with Descriptive / Resolution Text) [col 20, L47-61] [col 94, L1-10] (e.g., Logon Window) [col 96, L8-15] [Jost: Figs. 40, 45, and 46].

It would thus be obvious to one of ordinary skill in the art at the time of the invention to modify the combination of Mastrianni and Evans with the above said added feature, as disclosed by Jost, for the motivation of facilitating service order management within a communications network [col 5, L63-66], in general, as well as to provide a querying / messaging system wherein the 'messages' comprise queries, acknowledgments, transactions types, function types, broadcasts, informational messages and error notices [col 6, L31-45], in particular.

Moreover, while the combination of Mastrianni and Evans and Jost discloses substantial features of the invention, as above, the additionally recited feature of wherein the advice window is selectively displayed after the user entry of text fails to match one of a plurality of known domain name is expressly disclosed by Sunder in a related endeavor.

Sunder discloses as his invention a method and system for providing a 'secure connection' application in a multi-party access environment including a plurality of service providers. The method includes generating a customized connection application and cryptographically signing the customized connection application [Abstract] [0005]. In particular, Sunder discloses the additionally recited feature of

wherein the advice window is selectively displayed after the user entry of text fails to match one of a plurality of known domain name [Sunder: Figs. 6, 8, and 15-18] (e.g. Login "Domain" extension) [0079] [0088] [Figs. 6 and 19].

It would thus be obvious to one of ordinary skill in the art at the time of the invention to modify the combination of Mastrianni and Evans and Jost with the above said added feature, as disclosed by Sunder, for the motivation of providing remote network connections and more particularly to securing a customized connection application [0002-0004].

As per Claim 9, Mastrianni in view of Evans and in further view of Jost and Sunder discloses the connection manager of claim 1, further comprising: a list of phone numbers retrievable from a memory device and associated with the service provider, each phone number in the list of phone numbers having an associated priority number.

While the combination of Mastrianni, Evans and Jost discloses substantial features of the invention such as the connection manager of claim 1, the added feature of the manager further comprising: a list of phone numbers retrievable from a memory device and associated with the service provider, each phone number in the list of phone numbers having an associated priority number. is expressly disclosed by Sunder in a related feature.

Sunder discloses as his invention a method and system for managing a network

connection application (Connection Application 26 or "Dialer"). The method includes

assigning a plurality of selection criteria to each connection point wherein each

selection criteria bearing an associated selection weight. The connection points are

then arranged in a prioritized order in a priority list used by the connection application

to connect to any of the connection points (Points of Presence /POPs). The prioritized

order is based on the selection criteria and associated selection weights. The

prioritized list is then made available for use by the connection application [Abstract]

[0030-0031] [0053] [0057] [Figs. 2-5].

It would thus be obvious to one of ordinary skill in the art at the time of the

invention to modify the combination of Mastrianni, Evans and Jost with the added

feature of the manager the manager further comprising: a list of phone numbers

retrievable from a memory device and associated with the service provider, each phone

number in the list of phone numbers having an associated priority number, as disclosed

by Sunder, for the motivation of providing a system for managing connection of a

connection application, such as a Dialer, to one of a plurality of connection points

[0001], to provide ISPs with the ability to offer Internet roaming solutions, especially to

business customers [0003] and to prioritize network access points [0004].

As per Claim 10, Mastrianni in view of Evans and in further view of Jost and Sunder

discloses the connection manager of claim 9, wherein the phone numbers in the list of

phone numbers are sorted in accordance with the priority number and wherein the

phone numbers in the order as sorted are sequentially used in attempts to connect to

the service provider.

While the combination of Mastrianni, Evans and Jost discloses substantial

features of the invention such as the connection manager of claim 9, the added feature

of the manager wherein the phone numbers in the list of phone numbers are sorted in

accordance with the priority number and wherein the phone numbers in the order as

sorted are sequentially used in attempts to connect to the service provider is disclosed

by Sunder in a related feature.

Sunder discloses as his invention a method and system for managing a network

connection application (Connection Application 26 or "Dialer"). The method includes

assigning a plurality of selection criteria to each connection point wherein each

selection criteria bearing an associated selection weight. The connection points are

then arranged in a prioritized order in a priority list used by the connection application

to connect to any of the connection points (Points of Presence /POPs). The prioritized

order is based on the selection criteria and associated selection weights. The

prioritized list is then made available for use by the connection application [Abstract]

[0030-0031] [0053] [0057] [Figs. 2-5]. With particular reference to Figures 4, 5, and 9

Sunder discloses the phone numbers of the plurality of access points sorted in

accordance with a 'priority' order (POP selection criteria weights) [Figs. 4 & 9] and

accessed sequentially in attempts to connect to the service provider [Fig. 4].

It would thus be obvious to one of ordinary skill in the art at the time of the invention to modify the combination of Mastrianni, Evans and Jost with the added feature of the manager wherein the phone numbers in the list of phone numbers are sorted in accordance with the priority number and wherein the phone numbers in the order as sorted are sequentially used in attempts to connect to the service provider, as disclosed by Sunder, for the motivation of providing a system for managing connection of a connection application, such as a Dialer, to one of a plurality of connection points [0001], to provide ISPs with the ability to offer Internet roaming solutions, especially to business customers [0003] and to prioritize network access points [0004].

As per Claim 11, Mastrianni (in view of Evans in view of Jost and in further view of Sunder) discloses the connection manager of claim 9, further comprising: an update tool configured to interact with the service provider to manipulate the list of phone numbers [Figs. 7 & 8].

As per Claim 12, Mastrianni (in view of Evans in view of Jost and in further view of Sunder) discloses the connection manager of claim 11, wherein phone numbers in the list of phone numbers are edited [Figs. 7 & 8] [Abstract].

As per Claim 13, Mastrianni (in view of Evans in view of Jost and in further view of Sunder) discloses the connection manager of claim 11, wherein priority numbers

associated with the list of phone numbers are edited using the update tool [Figs. 7 & 8] [Abstract].

As per Claim 22, Mastrianni in view of Evans in view of Jost and in further view of Sunder discloses the method of claim 14, further comprising: sorting a list of phone numbers to produce a priority sorted list, each phone number in the list of phone numbers associated with an associated priority number, wherein the sorting is conducted in accordance with the priority numbers.

While the combination of Mastrianni, Evans and Jost discloses substantial features of the invention such as the connection manager of claim 1, the added feature of the manager further comprising: sorting a list of phone numbers to produce a priority sorted list, each phone number in the list of phone numbers associated with an associated priority number, wherein the sorting is conducted in accordance with the priority numbers is disclosed by Sunder in a related feature.

Sunder discloses as his invention a method and system for managing a network connection application (Connection Application 26 or "Dialer"). The method includes assigning a plurality of selection criteria to each connection point wherein each selection criteria bearing an associated selection weight. The connection points are then arranged in a prioritized order in a priority list used by the connection application to connect to any of the connection points (Points of Presence /POPs). The prioritized order is based on the selection criteria and associated selection weights. The

prioritized list is then made available for use by the connection application [Abstract] [0030-0031] [0053] [0057] [Figs. 2-5].

It would thus be obvious to one of ordinary skill in the art at the time of the invention to modify the combination of Mastrianni, Evans and Jost with the added feature of the manager further comprising sorting a list of phone numbers to produce a priority sorted list, each phone number in the list of phone numbers associated with an associated priority number, wherein the sorting is conducted in accordance with the priority numbers, as disclosed by Sunder, for the motivation of providing a system for managing connection of a connection application, such as a Dialer, to one of a plurality of connection points [0001], to provide ISPs with the ability to offer Internet roaming solutions, especially to business customers [0003] and to prioritize network access points [0004].

As per Claim 23, Mastrianni in view of Evans and in further view of Jost and Sunder discloses discloses the method of claim 22, further comprising directing the dialer to dial a phone number from the priority sorted list.

While the combination of Mastrianni, Evans and Jost discloses substantial features of the invention such as the connection manager of claim 1, the added feature of the manager further comprising directing the dialer to dial a phone number from the priority sorted list is disclosed by Sunder in a related feature.

Sunder discloses as his invention a method and system for managing a network connection application (Connection Application 26 or "Dialer"). The method includes assigning a plurality of selection criteria to each connection point wherein each selection criteria bearing an associated selection weight. The connection points are then arranged in a prioritized order in a priority list used by the connection application to connect to any of the connection points (Points of Presence /POPs). The prioritized order is based on the selection criteria and associated selection weights. The prioritized list is then made available for use by the connection application [Abstract] [0030-0031] [0053] [0057] [Figs. 2-5]. Sunder expressly discloses the added feature of the manager further comprising directing the dialer (26) to dial a phone number from the priority sorted list [Fig. 4].

It would thus be obvious to one of ordinary skill in the art at the time of the invention to modify the combination of Mastrianni, Evans and Emerson with the added feature of the manager further comprising directing the dialer to dial a phone number from the priority sorted list, as disclosed by Sunder, for the motivation of providing a system for managing connection of a connection application, such as a Dialer, to one of a plurality of connection points [0001], to provide ISPs with the ability to offer Internet roaming solutions, especially to business customers [0003] and to prioritize network access points [0004].

As per Claim 24, Mastrianni (in view of Evans in view of Jost and in further view of Sunder) discloses the method of claim 22, further comprising: activating an update tool

configured to communicate with the service provider for the purpose of manipulating the list of phone numbers [Fig. 8].

As per Claim 25, Mastrianni in view of Evans and in further view of Jost and Sunder discloses a connection manager (Connection Manager) [Figs. 3 & 4] comprising:

a dialer (Dialer) [Fig. 7 & 8] to interact with a modem [Fig. 5] to provide a connection to a service provider;

an error handling component configured to apply diagnostic logic *to an error associated with the dialer*;

an error handling user interface configured to <u>display a query and acquire a response from</u> a user, wherein the query is configured to ask permission from a user to allow the error handling component to perform one or more actions when applying the diagnostic logic to address the error associated with the dialer; and

an error handling message proxy configured to provide communication between the error handling component and the error handling user interface

While the combination of Mastrianni, Evans and Jost discloses substantial features of the invention such as the connection manager and dialer of claim 1, the dialer interacting with a modem to provide a connection to a service provider, the additional recited features of the manager further comprising an error handling component configured to apply diagnostic logic *to an error associated with the dialer, ,* wherein the query is configured to ask permission from a user to allow the error

handling component to perform one or more actions when applying the diagnostic logic

to address the error associated with the dialer; an error handling user interface

configured to display a query and acquire a response from a user; and an error handling

message proxy configured to provide communication between the error handling

component and the error handling user interface are disclosed by Sunder in a related

endeavor.

Sunder discloses as his invention a method and system for managing a network

connection application (Connection Application 26 or "Dialer"). The method includes

assigning a plurality of selection criteria to each connection point wherein each selection

criteria bearing an associated selection weight. The connection points are then

arranged in a prioritized order in a priority list used by the connection application to

connect to any of the connection points (Points of Presence /POPs). The prioritized

order is based on the selection criteria and associated selection weights. The prioritized

list is then made available for use by the connection application [Abstract] [0030-0031]

[0053] [0057] [Figs. 2-5].

In particular, Sunder discloses the added features of the manager and dialer

further comprising an error handling component (SQM Process Tool 86 / SQM Agent

28) [0094-0099] configured to apply diagnostic logic *to an error associated with the*

dialer (Error Codes) [0099-0110] wherein the query is configured to ask permission from

a user to allow the error handling component to perform one or more actions when

applying the diagnostic logic to address the error associated with the dialer; and an

error handling user interface configured to display a query and acquire a response from

a user (GUI 32); and an error handling message proxy (Server 35) [Fig.3] configured to

provide communication between the error handling component and the error handling

user interface [0016-0025] [0046] [0057-0059] [0080-0081] [Figs. 3-7] .

It would thus be obvious to one of ordinary skill in the art at the time of the

invention to modify the combination of Mastrianni, Evans and Jost with the above said

added feature, as disclosed by Sunder, for the motivation of providing a system for

managing connection of a connection application, such as a Dialer, to one of a plurality

of connection points [0001], to provide ISPs with the ability to offer Internet roaming

solutions, especially to business customers [0003] and to prioritize network access

points [0004].

Additionally, the recited feature of a user-query, such as an advice window or a

message / help balloon that "asks for permission from a user to allow the error handling

component to perform one or more actions...to address the error" is expressly disclosed

by Emerson (e.g., display of *Visual Message Indicator* or Alert / Balloon or Help

Message to the user, in the case of 'user input error', for example) [Abstract].

As per Claim 26, Mastrianni in view of Evans and in further view of Jost and Sunder

discloses the connection manager of claim 25, wherein the error handling component

(SQM Process Tool 86 / SQM Agent 28) [0094-0099] directs the error handling user

interface (GUI 32) to display a user query (e.g. message) in response to detecting the

error [0099-0112].

While the combination of Mastrianni, Evans and Jost discloses substantial

features of the invention such as the connection manager and dialer of claim 1, the

dialer interacting with a modem to provide a connection to a service provider, the added

feature of the manager further comprising wherein the error handling component directs

the error handling user interface to display a user query in response to detecting the

error is disclosed by Sunder in a related endeavor.

Sunder discloses as his invention a method and system for managing a network

connection application (Connection Application 26 or "Dialer"). The method includes

assigning a plurality of selection criteria to each connection point wherein each selection

criteria bearing an associated selection weight. The connection points are then

arranged in a prioritized order in a priority list used by the connection application to

connect to any of the connection points (Points of Presence /POPs). The prioritized

order is based on the selection criteria and associated selection weights. The prioritized

list is then made available for use by the connection application [Abstract] [0030-0031]

[0053] [0057] [Figs. 2-5]. In particular, Sunder discloses the added features of the

manager wherein the error handling component (SQM Process Tool 86 / SQM Agent

28) [0094-0099] directs the error handling user interface (GUI 32) to display a user

query (e.g. message / Error Codes returned to the user) in response to detecting the

error [0099-0112].

It would thus be obvious to one of ordinary skill in the art at the time of the invention to modify the combination of Mastrianni, Evans and Jost with the added feature of the manager wherein the error handling component directs the error handling user interface to display a user query in response to detecting the error, as disclosed by Sunder, for the motivation of providing a system for managing connection of a connection application, such as a Dialer, to one of a plurality of connection points [0001], to provide ISPs with the ability to offer Internet roaming solutions, especially to business customers [0003] and to prioritize network access points [0004].

As per Claim 27, Mastrianni in view of Evans and in further view of Jost and Sunder discloses discloses the connection manager of claim 25, wherein the error handling component performs a parameter test in response to a user action associated with the error handling user interface.

While the combination of Mastrianni, Evans and Jost discloses substantial features of the invention such as the connection manager and dialer of claim 1, the dialer interacting with a modem to provide a connection to a service provider, the additionally recited feature of the manager wherein the error handling component performs a parameter test in response to a user action associated with the error handling user interface is disclosed by Sunder in a related endeavor.

Sunder discloses as his invention a method and system for managing a network

connection application (Connection Application 26 or "Dialer"). The method includes

assigning a plurality of selection criteria to each connection point wherein each selection

criteria bearing an associated selection weight. The connection points are then

arranged in a prioritized order in a priority list used by the connection application to

connect to any of the connection points (Points of Presence /POPs). The prioritized

order is based on the selection criteria and associated selection weights. The prioritized

list is then made available for use by the connection application [Abstract] [0030-0031]

[0053] [0057] [Figs. 2-5]. In particular, Sunder discloses the added features of the

manager wherein the error handling component performs a parameter test in response

to a user action associated with the error handling user interface (e.g. collecting POPs

performance data or 'parameters') [0098-0110].

It would thus be obvious to one of ordinary skill in the art at the time of the

invention to modify the combination of Mastrianni, Evans and Jost with the added

feature of the manager wherein the error handling component performs a parameter

test in response to a user action associated with the error handling user interface, as

disclosed by Sunder, for the motivation of providing a system for managing connection

of a connection application, such as a Dialer, to one of a plurality of connection points

[0001], to provide ISPs with the ability to offer Internet roaming solutions, especially to

business customers [0003] and to prioritize network access points [0004].

As per Claim 28, Mastrianni in view of Evans in view of Jost and in further view of
Sunder discloses the connection manager of claim 25, wherein the error handling
component *changes a parameter value* (e.g. POPs priority / associated weight) in
response to a user action (connection /reconnection attempt with one or more prioritized
POPs) associated with the error handling user interface (GUI 32) [0112] [Fig. 7].

While the combination of Mastrianni, Evans and Jost discloses substantial
features of the invention such as the connection manager and dialer of claim 1, the
dialer interacting with a modem to provide a connection to a service provider, the
additional recited feature of the manager wherein the error handling component
changes a parameter value in response to a user action associated with the error
handling user interface is disclosed by Sunder in a related endeavor.

Sunder discloses as his invention a method and system for managing a network
connection application (Connection Application 26 or "Dialer"). The method includes
assigning a plurality of selection criteria to each connection point wherein each selection
criteria bearing an associated selection weight. The connection points are then
arranged in a prioritized order in a priority list used by the connection application to
connect to any of the connection points (Points of Presence /POPs). The prioritized
order is based on the selection criteria and associated selection weights. The prioritized
list is then made available for use by the connection application [Abstract] [0030-0031]
[0053] [0057] [Figs. 2-5]. In particular, Sunder discloses the added features of the

manager wherein the error handling component *changes a parameter value* (e.g. POPs

priority / associated weight) in response to a user action (connection /reconnection

attempt with one or more prioritized POPs) associated with the error handling user

interface (GUI 32) [0112] [Fig. 7].

It would thus be obvious to one of ordinary skill in the art at the time of the

invention to modify the combination of Mastrianni, Evans and Jost with the added

feature of the manager wherein the error handling component *changes a parameter*

value in response to a user action associated with the error handling user interface, for

the motivation of providing a system for managing connection of a connection

application, such as a Dialer, to one of a plurality of connection points [0001], to provide

ISPs with the ability to offer Internet roaming solutions, especially to business

customers [0003] and to prioritize network access points [0004].

As per Claim 29, Mastrianni in view of Evans in view of Jost and in further view of

Sunder discloses the connection manager of claim 25, wherein the *error* is selected

from a group consisting of an *authentication failure, a modem port availability failure, a*

port disconnection failure, a server response error, a line busy error, a no answer error,

a dial tone failure.

While the combination of Mastrianni, Evans and Jost discloses substantial

features of the invention such as the connection manager and dialer of claim 1, the

dialer interacting with a modem to provide a connection to a service provider, the

additional recited feature of the manager wherein the *error* is selected from a group

consisting of an *authentication failure, a modem port availability failure, a port*

disconnection failure, a server response error, a line busy error, a no answer error, a

dial tone failure is disclosed by Sunder in a related endeavor.

Sunder discloses as his invention a method and system for managing a network

connection application (Connection Application 26 or "Dialer"). The method includes

assigning a plurality of selection criteria to each connection point wherein each selection

criteria bearing an associated selection weight. The connection points are then

arranged in a prioritized order in a priority list used by the connection application to

connect to any of the connection points (Points of Presence /POPs). The prioritized

order is based on the selection criteria and associated selection weights. The prioritized

list is then made available for use by the connection application [Abstract] [0030-0031]

[0053] [0057] [Figs. 2-5]. In particular, Sunder discloses the added features of the

manager wherein the *error* is selected from a group consisting of an *authentication*

failure, a modem port availability failure, a port disconnection failure, a server response

error, a line busy error, a no answer error, a dial tone failure [0099-0110].

It would thus be obvious to one of ordinary skill in the art at the time of the

invention to modify the combination of Mastrianni, Evans and Jost with the added

feature of the manager wherein the *error* is selected from a group consisting of an

authentication failure, a modem port availability failure, a port disconnection failure, a

server response error, a line busy error, a no answer error, a dial tone failure, for the

motivation of providing a system for managing connection of a connection application,

such as a Dialer, to one of a plurality of connection points [0001], to provide ISPs with

the ability to offer Internet roaming solutions, especially to business customers [0003]

and to prioritize network access points [0004].

As per Claim 30, Mastrianni in view of Evans in view of Jost and in further view of

Sunder discloses a method to manage connecting a computation device to a service

provider, the method comprising:

    initiating an error handling component associated with a dialer, the dialer

configatred to interact with a modem to provide a connection to a service provider;

    detecting an error associated with the dialer using the error handling component;

    directing an error handling user interface to display a user query, wherein the

directing is performed by the error handling component; and

    performing a parameter test using the error handling component ha response to

a user input associated with the error handling user interface.

    Claim 30 recites the same limitations as Claim 25, except for the added limitation

of performing a parameter test using the error handling component in response to a

user input associated with the error handling user interface, also disclosed by Sunder

(e.g. collecting POPs performance data or 'parameters') [0098-0110], and is thus

rejected on the same basis.

As per Claim 31, Mastrianni in view of Evans in view of Jost and in further view of Sunder discloses a method of claim 30, further comprising manipulating a parameter using the error handling component in response to a user action associated with the error handling user interface.

Claim 31 recites the same limitation as Claim 28 and is thus rejected on the same basis.

As per Claim 32, Mastrianni in view of Evans in view of Jost and in further view of Sunder discloses a method of claim 30, wherein the error is selected from a group consisting of an authentication failure, a modem port availability failure, a port disconnection failure, a server response error, a line busy error, a no answer error, and a dial tone failure.

Claim 32 recites the same limitation as Claim 29 and is thus rejected on the same basis.

As per Claim 33, Mastrianni in view of Evans in view of Jost and in further view of Sunder discloses the method of claim 14, wherein displaying the advice window comprises displaying a statement encouraging correction of the user entry of text.

While the combination of Mastrianni and Evans discloses substantial features of the invention, as above, the additionally recited feature of wherein displaying the advice

window comprises displaying a statement encouraging correction of the user entry of

text is expressly disclosed by Jost in a related endeavor.

Jost discloses as his invention a service management system for a

communications network which accepts requests for communication services from

service order sources. The service management system includes an interfauce to the

service order sources, a databases and an interface to network elements that provide

the communication services. The service managements system also includes an

interface to query the database and network elements to perform debugging and error

correction [Abstract]. In particular, Jost discloses the additionally recited feature of

wherein displaying the advice window comprises displaying a statement encouraging

correction of the user entry of text (e.g., Message Information: 'Error Code 200001', with

Descriptive / Resolution Text) [col 20, L47-61] [col 94, L1-10] (e.g., Logon Window) [col

96, L8-15] [Jost: Figs. 40, 45, and 46].

It would thus be obvious to one of ordinary skill in the art at the time of the

invention to modify the combination of Mastrianni and Evans with the above said added

feature, as disclosed by Jost, for the motivation of facilitating service order management

within a communications network [col 5, L63-66], in general, as well as to provide a

querying / messaging system wherein the 'messages' comprise queries,

acknowledgments, transactions types, function types, broadcasts, informational

messages and error notices [col 6, L31-45], in particular.

As per Claim 34, Mastrianni in view of Evans in view of Jost and in further view of

Sunder discloses the method of claim 14, wherein displaying the advice window

comprises displaying a suggested alternative to the user entry of text.

While the combination of Mastrianni and Evans discloses substantial features of

the invention, as above, the additionally recited feature of wherein displaying the advice

window comprises displaying a suggested alternative to the user entry of text is

expressly disclosed by Jost in a related endeavor.

Jost discloses as his invention a service management system for a

communications network which accepts requests for communication services from

service order sources. The service management system includes an interfauce to the

service order sources, a databases and an interface to network elements that provide

the communication services. The service managements system also includes an

interface to query the database and network elements to perform debugging and error

correction [Abstract]. In particular, Jost discloses the additionally recited feature of

wherein displaying the advice window comprises displaying a suggested alternative to

the user entry of text (e.g., Message Information: 'Error Code 200001', with Descriptive /

Resolution Text) [col 20, L47-61] [col 94, L1-10] (e.g., Logon Window) [col 96, L8-15]

[Jost: Figs. 40, 45, and 46].

It would thus be obvious to one of ordinary skill in the art at the time of the

invention to modify the combination of Mastrianni and Evans with the above said added

feature, as disclosed by Jost, for the motivation of facilitating service order management

within a communications network [col 5, L63-66], in general, as well as to provide a

querying / messaging system wherein the 'messages' comprise queries,

acknowledgments, transactions types, function types, broadcasts, informational

messages and error notices [col 6, L31-45], in particular.

As per Claim 35, Mastrianni in view of Evans in view of Jost and in further view of

Sunder discloses the method of claim 14, wherein displaying the advice window

comprises displaying an offer to change the user entry of text.

While the combination of Mastrianni and Evans discloses substantial features of

the invention, as above, the additionally recited feature of wherein displaying the advice

window comprises displaying an offer to change the user entry of text is expressly

disclosed by Jost in a related endeavor.

Jost discloses as his invention a service management system for a

communications network which accepts requests for communication services from

service order sources. The service management system includes an interfauce to the

service order sources, a databases and an interface to network elements that provide

the communication services. The service managements system also includes an

interface to query the database and network elements to perform debugging and error

correction [Abstract]. In particular, Jost discloses the additionally recited feature of

wherein displaying the advice window comprises displaying an offer to change the user

entry of text (e.g., Message Information: 'Error Code 200001', with Descriptive /

Resolution Text) [col 20, L47-61] [col 94, L1-10] (e.g., Logon Window) [col 96, L8-15]

[Jost: Figs. 40, 45, and 46].

It would thus be obvious to one of ordinary skill in the art at the time of the

invention to modify the combination of Mastrianni and Evans with the above said added

feature, as disclosed by Jost, for the motivation of facilitating service order management

within a communications network [col 5, L63-66], in general, as well as to provide a

querying / messaging system wherein the 'messages' comprise queries,

acknowledgments, transactions types, function types, broadcasts, informational

messages and error notices [col 6, L31-45], in particular.

As per Claim 36, Mastrianni in view of Evans in view of Jost and in further view of

Sunder discloses the method of claim 14, wherein displaying the advice window

comprises displaying a list, wherein the list includes a plurality of alternatives.

While the combination of Mastrianni and Evans discloses substantial features of

the invention, as above, the additionally recited feature of wherein displaying the advice

window comprises displaying a list, wherein the list includes a plurality of alternatives is

expressly disclosed by Jost in a related endeavor.

Jost discloses as his invention a service management system for a

communications network which accepts requests for communication services from

service order sources. The service management system includes an interfauce to the

service order sources, a databases and an interface to network elements that provide

the communication services. The service managements system also includes an

interface to query the database and network elements to perform debugging and error

correction [Abstract]. In particular, Jost discloses the additionally recited feature of

wherein displaying the advice window comprises displaying a list, wherein the list

includes a plurality of alternatives (e.g., Message Information: 'Error Code 200001', with

Descriptive / Resolution Text) [col 20, L47-61] [col 94, L1-10] (e.g., Logon Window) [col

96, L8-15] [Jost: Figs. 40, 45, and 46].

It would thus be obvious to one of ordinary skill in the art at the time of the

invention to modify the combination of Mastrianni and Evans with the above said added

feature, as disclosed by Jost, for the motivation of facilitating service order management

within a communications network [col 5, L63-66], in general, as well as to provide a

querying / messaging system wherein the 'messages' comprise queries,

acknowledgments, transactions types, function types, broadcasts, informational

messages and error notices [col 6, L31-45], in particular.

As per Claim 37, Mastrianni in view of Evans in view of Jost and in further view of

Sunder discloses the method of claim 14, further comprising automatically changing the

user entry of text to a domain name extension when the user entry of text is

substantially similar to the domain name extension.

While the combination of Mastrianni and Evans discloses substantial features of the invention, as above, the additionally recited feature of automatically changing the user entry of text to a domain name extension when the user entry of text is substantially similar to the domain name extension is expressly disclosed by Jost in a related endeavor.

Jost discloses as his invention a service management system for a communications network which accepts requests for communication services from service order sources. The service management system includes an interfauce to the service order sources, a databases and an interface to network elements that provide the communication services. The service managements system also includes an interface to query the database and network elements to perform debugging and error correction [Abstract]. In particular, Jost discloses the additionally recited feature of automatically changing the user entry of text to a domain name extension when the user entry of text is substantially similar to the domain name extension (e.g., Message Information: 'Error Code 200001', with Descriptive / Resolution Text) [col 20, L47-61] [col 94, L1-10] (e.g., Resolution Text with Help 'Hint's)(e.g., Logon Window) [col 96, L8-15] [Jost: Figs. 40, 45, and 46].

It would thus be obvious to one of ordinary skill in the art at the time of the invention to modify the combination of Mastrianni and Evans with the above said added feature, as disclosed by Jost, for the motivation of facilitating service order management within a communications network [col 5, L63-66], in general, as well as to provide a querying / messaging system wherein the 'messages' comprise queries,

acknowledgments, transactions types, function types, broadcasts, informational

messages and error notices [col 6, L31-45], in particular.

2.   Claims 6 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Mastrianni in view of Evans, in view of Jost, and in further view of and Sunder and

Emerson, U.S. Patent Publication US 2004/0036679 A1.

As per Claims 6 and 19, Mastrianni in view of Evans and in view of Jost and in further

view of Sunder and Emerson discloses the connection manager of claim 1, wherein the

form component further comprises a button, wherein the advice window is configured

for display when the form component is available for manipulation by the user but

before the manipulated form component is selected by the user.

While Mastrianni discloses substantial features of the invention such as the

connection manager of claim 1, the additionally recited feature of the form component

further comprises a button is disclosed by Evans in a related feature.

Evans discloses as his invention methods and arrangements that automatically

display error information during a logon process or other similar process. The method

and arrangements automatically display error information associated with a user input

field through the use of non-modal display mechanisms within a graphical interface

unit. The method and arrangements monitor user input activities and automatically

stop displaying the error information upon subsequent user input. The methods and

arrangements may also stop the display of the error information after a defined period

of time has elapsed. A tip balloon is one type of a non-modal display mechanism that

does require the user to respond and does not interfere graphically and/or

operationally with the ongoing graphical user interface supported process [Abstract].

In particular, Evans that during a login process, a user will need to input their

password in input field 110 and confirm the input by hitting ENTER on their keyboard

40, or by graphically selecting (e.g. clicking) "go" button [col 4, L21-24]. If the password

is incorrect, then the authorizing program generates a corresponding error indicator or

other like error data. *Corresponding Error Information 116* is then 'displayed', via error

balloon 118 [col 4, L31-40].

It would thus be obvious to one of ordinary skill in the art at the time of the

invention to combine and/or modify Mastrianni's invention with the added feature of the

manager wherein the form component is a button, as disclosed by Evans, for the

motivation of providing error information, in a non-modal manner, within a GUI

computing environment [col 1, L10-5 & 61-67].

Further, while the combination of Mastrianni, Evans, Jost and Sunder discloses

substantial features of the invention such as the connection manager of claim 1, the

additionally recited feature of wherein the advice window is configured for display when

the form component is available for manipulation by the user but before the manipulated

form component is selected by the user is disclosed by Emerson in a related feature.

Emerson discloses as his invention computer software providing a 'visual alert' to

the user when the keyboard is in CAPS LOCK mode of operation by presenting either or

both of a unique text insertion cursor or a unique mouse text pointer in place of the

standard text insertion cursor or mouse text pointer [Abstract]. In particular, Emerson

discloses the additionally recited feature of the advice window configured for initial

display when the form component is available for manipulation by the user but before

the manipulated form component is selected by the user (e.g., providing an *audible /*

visual indicator, alert and/or '*message*' to the user that the keyboard state is in the

"CAPS LOCK" mode when the user begins to type in the input text component) [0087-

089] [0092-0095] [0099-0101] [0017] [0128-0129] [Figs 7-9].

It would thus be obvious to one of ordinary skill in the art at the time of the

invention to modify the combination of Mastrianni, Evans, Jost and Sunder with the

above said added feature, as disclosed by Emerson, for the motivation of providing a

computer system or application software that has the means to alert a user (e.g., typist)

when the keyboard is in CAPS LOCK mode [0085-0086].

3.   Claims 7, 8, 20, and 21 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Mastrianni in view of Evans, in view of Jost, and in further view of

and Sunder and Friedman, U.S. Patent Publication US 2004/0148362 A1.

As per Claims 7 and 20, Mastrianni in view of Evans in view of Jost and in further view

of Sunder and Friedman discloses the connection manager of claim 1, wherein the

advice window minimizes upon the expiration of a time period.

While the combination of the combination of Mastrianni, Evans, Jost and Sunder

discloses substantial features of the invention, such as the connection manager of claim

1 wherein a advice window is displayed if the CAPS LOCK feature is activated or if

entered text fails a criteria, as well as the deactivation of the Balloon Error window 118

upon the expiration of a certain amount of time [col 4, L47-54], neither reference

expressly discloses the connection manager wherein the advice window minimizes

upon the expiration of a time period. The feature is taught by Friedman in a related

endeavor.

Friedman discloses as his invention systems and methods for managing and

aggregating media formats, and more particularly, to systems and methods that deliver

functionality of many different media players via a single interface [0002]. The systems

and methods of the invention can be made available to users on a subscription basis

(e.g., via dial-up) [0009]. Friedman also discloses graphical user interface (GUI) 7 of a

universal media player. The GUI incorporates visual controls such as *icons*, pull-down

menus, pushbuttons, a cursor, and a mouse. Friedman teaches that GUI 7 can be

displayed "full-screen", and can function while reduced to some fraction of available

screen area, or while completely *minimized* or "icon-sized" [0047-0048].

It would thus be obvious to one of ordinary skill in the art at the time of the

invention to modify the the combination of Mastrianni, Evans, Jost and Sunder with the

feature of the connection manager wherein the advice window minimizes upon the

expiration of a time period, as disclosed by Friedman, for the motivation of remotely

obtaining the most recent versions of media formats such that updates are provided via

a single network interface between the client device and the remote server [Abstract]

[0002].

As per Claims 8 and 21, Mastrianni in view of Evans in view of Jost and in further view

of Sunder and Friedman discloses the connection manager of claim 1, wherein the

advice window minimizes to an icon.

While the combination of the combination of Mastrianni, Evans, Jost and Sunder

discloses substantial features of the invention, such as the connection manager of claim

1 wherein a advice window is displayed if the CAPS LOCK feature is activated or if

entered text fails a criteria, as well as minimizing upon the expiration of a time period,

the additionally recited feature of the connection manager wherein the advice window

minimizes to an icon is taught by Friedman in a related endeavor.

Friedman discloses as his invention systems and methods for managing and

aggregating media formats, and more particularly, to systems and methods that deliver

functionality of many different media players via a single interface [0002]. The systems

and methods of the invention can be made available to users on a subscription basis

(e.g., via dial-up) [0009]. Friedman also discloses graphical user interface (GUI) 7 of a universal media player. The GUI incorporates visual controls such as *icons*, pull-down menus, pushbuttons, a cursor, and a mouse. Friedman teaches that GUI 7 can be displayed "full-screen", and can function while reduced to some fraction of available screen area, or while completely minimized or "icon-sized" [0047-0048].

It would thus be obvious to one of ordinary skill in the art at the time of the invention to modify the combined invention of Mastrianni, Evans, Jost and Sunder with the feature of the connection manager wherein the advice window minimizes to an icon, as disclosed by Friedman, for the motivation of remotely obtaining the most recent versions of media formats such that updates are provided via a single network interface between the client device and the remote server [Abstract] [0002].

Conclusion

1.   Applicant's amendment necessitated the new ground(s) of rejection presented in this Office Action. Accordingly, **THIS ACTION IS MADE FINAL.** See MPEP 706.06(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

1. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Glenford Madamba whose telephone number is 571-272-7989. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung can be reached on 571-272-3932. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/John Follansbee/						Glenford Madamba
Supervisory Patent Examiner, Art Unit 2151		Examiner

Art Unit 2151